AUSTRALIAN MATHEMATICS COMPETITION
WARM-UP PAPER
MIDDLE PRIMARY 8

1. What fraction of the rectangle is shaded?
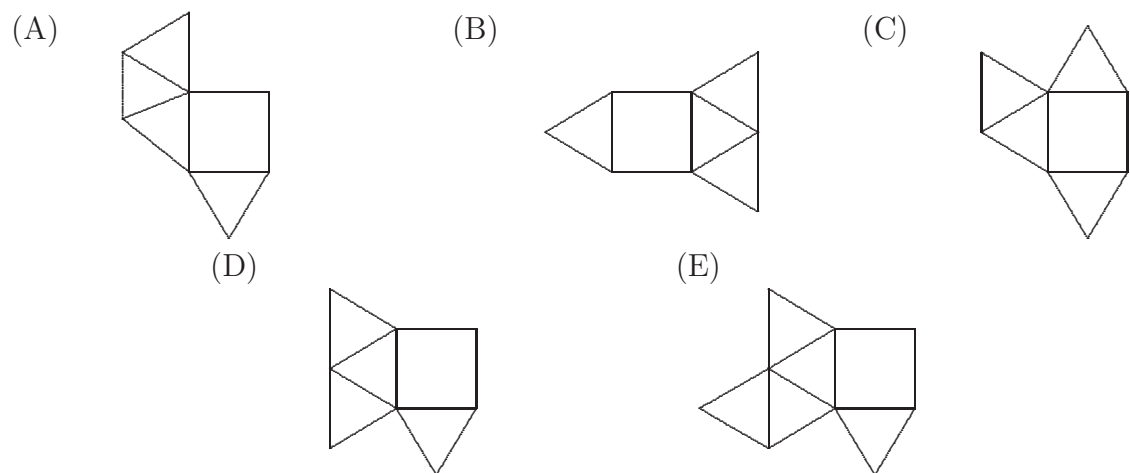
(A) $\dfrac{1}{2}$ 　　　　　(B) $\dfrac{1}{3}$ 　　　　　(C) $\dfrac{1}{4}$

　　　　(D) $\dfrac{1}{5}$ 　　　　(E) $\dfrac{1}{6}$
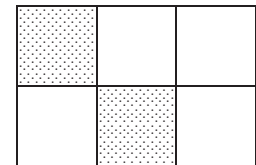
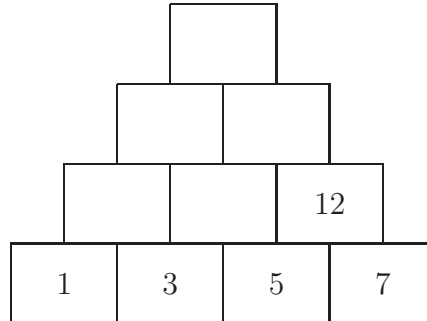**2.** What number must be added to 17 to get 23?

(A) 40 　　　　(B) 8 　　　　(C) 30 　　　　(D) 6 　　　　(E) 10

3. Which of the following can be folded to make a square based pyramid?

(A) 　　　　　　　　(B) 　　　　　　　　(C)

(D) 　　　　　　　　(E)

4. The number in each block is the sum of the numbers in the two blocks below it.

What number should be in the top block?

(A) 32   (B) 16   (C) 24   (D) 48   (E) 20

5. A TV cost $460 and Sam has only paid $46. How much more does he have to pay?

(A) $404   (B) $406   (C) $414   (D) $416   (E) $426

6. If each child can blow up 3 balloons in 1 minute, how many balloons can a group of 5 children blow up in 2 minutes?

(A) 18   (B) 30   (C) 20   (D) 10   (E) 15

7. Jenny arrived at the bus stop to find she had missed the 09:27 bus by two minutes and would have to wait for the 09:57 bus. How long will she have to wait?

(A) 26 minutes   (B) 27 minutes   (C) 28 minutes

(D) 29 minutes   (E) 30 minutes

8. The digits 7, 5, and 9 are written on cards as shown.

$$\boxed{7} \quad \boxed{5} \quad \boxed{9}$$

Six different 3-digit numbers can be made using these cards. If these numbers are arranged from the smallest to the largest, in which position is 795?

(A) second   (B) third   (C) fourth   (D) fifth   (E) sixth

9. In the year 5 classroom, the desks are arranged in equal rows. Phil sits at the desk that is fourth from the front and third from the back. There are four desks on the right of Phil's desk but only one to the left. How many desks are there in the room?

10. A carpenter made 20 chairs and stools with a total number of 73 legs.

If the chairs each have 4 legs and the stools each have 3 legs, how many chairs did she make?